



AQUATIC**News**

Brooklyn Aquarium Society Online Newsletter & Magazine

VOL. 4

Summer 2023

No. 14





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President's Message

Our May Giant Auction event was a huge success, with many donations from stores, manufacturers and our own dedicated members. We are back on track from where we left off before the pandemic. And that's a big relief! Our faithful volunteers keep plugging away to keep us in top form. There's plenty of room for you to help out too. Just raise your hand or talk to a board member on how you can become more involved.

The most recent event on June 9th was our last before summer break. It was also the annual voting for board members. There will be announcements of the final outcome of the voting session that took place. We are happy that new people have stepped up!

We are still thrilled to be back at the NY Aquarium! It has been our home for nearly 50 years! All other locations we've met at over the years when the Education Hall wasn't available, just didn't feel right. The NY Aquarium is such a special place. I want to thank our friends at the aquarium for getting us back home — hopefully for another 50 years!!

We have an online presence as well, so be sure to look on our Facebook page for aquatic sales from the club. We post things for sale periodically. We always have tanks and equipment for purchase. If you are looking for something aquatic, reach out to us, we probably have it.

Any hobby or aquatic information you hear or read about, please share with our Editor Ginny Cahill. It can even be your own short stories,

about your personal aquatic experiences. Please send all emails to Ginny at basny.editor@gmail.com. We are always looking for your input on our publication and events. Please let us know if you want speakers on a particular aquatic topic. We need our members to be more involved as we are always trying to better our club.

For more info, please call our hotline 718-837-4455, or visit our site at www.brooklynaquariumsociety.org (www.basny.org)

STEVEN MATASSA
President



Unicorn fish in the Coral Tunnel, NY Aquarium.



Join us on Facebook

<https://www.facebook.com/groups/BAS.FB/>



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**The On-Line Journal
of the Brooklyn
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VOL. 4 Summer 2023 No. 14

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AquaticNews will exchange publications with all interested societies. If we do not receive your publications for three consecutive months, we will assume you no longer wish to exchange and your club may be removed from our mailing list.

ALL CORRESPONDENCE CONCERNING THIS PUBLICATION SHOULD BE SENT TO:

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The Brooklyn Aquarium Society Inc. is a non-profit organization 501(c) (3) for people interested in the aquarium hobby and the study of aquatic life. The Society meets the 2nd Friday of each month except July and August at the Education Hall of the New York Aquarium at Coney Island, Surf Avenue at West 8th St., at 7:30 PM. Meetings are open to visitors. Refreshments are served.

Upcoming NEC Events

JUL 13-16TH – The Combo Plate ACA and CATAclysm - Better Together Madison, WI

SEP 22-24TH – Keystone Clash - hosted by ACLC and CCY PA

OCT 1ST – JSAS Fall Auction Manasquan, NJ

NOV 18TH – Aq. Club of Lancaster Co., Swap Meet, Lancaster, PA

* Information collected from the NEC newsletter



Pacus and a dolphin catfish in the Brazil tank at the NY Aquarium.

New Members

Lucian Read, Camera Beightol, Karissa Niles

Renewing Members

Yaari Felber- Seligman

Donations – Thank You!

Individuals for April, May, June 2023

Bill Amely
Tomasz Lis
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Liz Puello
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Stores/Mfg

Absolutely Fish
All in 1 Petshop, Brooklyn, NY
Monster Aquarium, Queens, NY
Pacific Aquarium, New York, NY
Brooklyn Zoo & Aquarium, Brooklyn, NY
SN&L Fish & Birds

Open Board Positions

The board members meet once a month to discuss club business, and we can use your help! There are four board positions currently available: corresponding secretary, treasurer, webmaster and recording secretary. If you'd like to attend a meeting which are held the **1st Friday of the month**, September through June, please notify Steve Matassa at (347) 277-4793 by the Tuesday before the meeting.

Upcoming Events

June 9, 2023 – 50/50 Auction only

July & August – No meetings. Have a nice summer!

September 8 – Ups and Downs of Reef Nutrients – Lou Ekus

October 13, 2023 – GIANT Fall Auction

November 10, 2023 – TBA

December 8, 2023 – BAS Holiday Party



Denver Lettman

Tip of the Season

Keep in mind that with warmer weather coming on, marine tanks may overheat. To compensate, increase aeration, and add ice cubes to a sealed plastic bag and float the bag in the tank, or loop a longer length of the filter's plastic output tubing through a bucket of cold water before it goes back into the aquarium.

That should help cool returning water.

Current NEC affiliate clubs

If someone wants to travel, they can visit another club. Here's a list of the clubs.

Aquarium Society of Lancaster	Norwalk Aquarium Society
Boston Aquarium Society	Nassau County Aquarium Society
Brooklyn Aquarium Society	New England Cichlid Assoc
Bucks County Aquarium Society	New England Fancy Guppy Assoc
Capital Cichlid Association	North East Live bearers Assoc
Cichlid Club of NY	North Jersey Aquarium Society
Central New York Aquarium Society	Otter Valley Aquarium Society
Danbury Area Aquarium Society	Pioneer Valley Aquarium Society
Diamond State Aquarium Society	Pioneer Valley Water Garden & koi
Erie Aquarium Society	South Jersey Guppy Group
Greater City Aquarium Society	Southern New England killifish Assoc
Jersey Shore Aquarium Society	Tropical Fish Club of Burlington
Koi Organization International	Tropical Fish Society of Rhode Island
Long Island Killi Assoc	Upstate NY killifish Assoc
Long Island Aquarium Society	Worcester Aquarium Society
Metropolitan Area killifish Assoc.	

Photos from April, May & June Meetings at NYA!





John Todaro was a past president of BAS and editor of the Bulletin and Aquatica Magazine for decades. We are republishing his recipe from the Brooklyn Aquarium Society's publication SCRUMPTIOUS MEALS & LIVE FOOD TREATS compiled, edited and written by John.

Recipe: Drunken Oatmeal Culture or Beer Barrel Oatmeal

(VITAMIN ENRICHED FORMULA)

By John Todaro — BAS

Warren Burke, a former member of the BAS, developed this simple culture medium for microworms with the addition of vitamin B12 and beer to help the yeast get started. He just couldn't settle on a name. So, bartender, no matter what you call it — how about another round of microworms for everybody!

INGREDIENTS:

Starter culture for microworms.
 1 Box of Gerbers® oatmeal baby cereal
 2 Envelopes of Knox® unflavored gelatin
 3 800 mg. vitamin B12
 Water from a healthy aged aquarium
 1/2 cup of stale beer at room temperature
 1 pkg. Fleischmann's® Active dry yeast.

PREPARATION:

1. Empty the box of cereal into a large mixing bowl.
2. Add the 2 envelopes of gelatin.
3. Add the vitamin B12. Crush the tablets.
4. Mix dry ingredients with a plastic or wooden spoon.
5. Now add enough water along with the active dry yeast and enough beer to make a firm paste. The dryer the texture of the paste the faster the culture will begin.
6. Add the starter culture of microworms and stir them into the mixture. Don't worry about killing the worms. You won't.

7. Now add the paste to three plastic shoe boxes to 1/4 inch thick. Place the lids on the shoe boxes and set aside where the temperature is about 60° to 65°F.

If you have extra culture left over, you can save it in a plastic container and keep it in the fridge to start a new culture within the next week. This way your cultures will be staggered and you will always have a vigorous culture crops ready to feed to your fry.

In about 48 hours after setting up a culture, you'll see millions of microworms starting to form and climbing up the sides of the shoe boxes.

FEEDING:

Scrape off the worms that have climbed up the sides of the container with either a popsicle stick, plastic playing card, etc., and serve immediately

Joe Graffagnino was a past president of BAS for many years as well as an accomplished breeder. He passed away from Covid in September 2021. He left behind a substantial archive of his aquatic experiences which we are republishing here.



Pearl of Likoma

What's in a Name? Much Confusion!

By Joe Graffagnino — BAS

As Chairperson of the Breeders Award Program I must research fish species to determine that the hobbyist, who has bred that particular species, registers all of the particulars of that species onto the breeder form, is accurate and truthful. On rare occasions I must question the breeder regarding the spawning behavior, the environment or the aquarium parameters of that species if what the person has written is beyond the normal parameters of that particular species requirements. In all cases the hobbyist has rendered the information truthfully and accurately because many species can and do spawn outside of the range the “experts” list for them.

I use a multitude of methods to determine the accuracy of what the person applies to the breeder form. During the fish fry witnessing I need to verify that the species is indeed the one supported by photographs or drawings. I use several research books such as Baensch Atlases on tropical fish, Tropical Fish Hobbyist research

books on various species and also aquarium related books on particular geographic areas and their endemic species. I also make generous use of the world wide web searching aquatic fish sites, international club sites, such as Planet Catfish, American Cichlid Association, American Livebearer Association, American Killifish Association, International Betta Congress and the list goes on and on.

I believe that I have all of this finally under control when the powers that be decide to change the names on fish species. Some of the experts say that the reason for the name changes are to better align groups into family’s based on the species fins, teeth and jaw bones and/or skeletal body bones. Others say the reason was to sell books with the updated species names. Any way you look at it when one researches the fish presented it is a nightmare to verify it wasn’t presented before.

As an example; I found a very nice Central American cichlid that goes under the



AquariumFishDepot.com

name *Cryptoheros myrnae*. The fish were in a plastic bag and obviously stressed so the coloration and close inspection would have to wait until they were home and acclimated to an aquarium prepared for cichlids. Through trial and error I had tried to breed these fish. My error was trying to breed them on a gravel free tank. After I moved several members that weren't breeding into another tank, I noticed the relocated fish were digging in the gravel and moving it to clear an area near the cave they wanted to spawn in. Aha! So that was a little secret they shared with me.

No problem. I added gravel and kept a pair, or what I believed was a pair, in a separate 10 gallon tank that contained caves. A couple of months go by and viola a batch of little babies come out of the cave and are guarded and paraded around by mom and dad. Great! Now I wait the required two months before I can register them as being successfully spawned

and reared. I look up the species and discover the common name is Topaz cichlid. That name stirs my memory a bit. I check through the voluminous records of the Breeders Program and discover that I had already bred Topaz cichlids five years previous. In those days they were called *Archocentrus myrnae*. No credit is given for breeding the same species twice, even though it went through a name change. I was aggravated and wanted to give the fish away at my earliest opportunity so I can clear my aquarium to breed another species.

The next species I want to breed is called *Melanochromis Joanjohnsonae* "Exasperatus", a beautiful African cichlid that goes by the common name of "Pearl of Likoma". Oh wait, this species also had a name change. It was formally called *Labidochromis exasperates*. All right, how about *Cichlosoma sajica*, the "T Bar Cichlid". Wait it also changed its name to *Cryptoheros sajica* - darn it, foiled again!

Joe Graffagnino was a past president of BAS as well as an accomplished breeder. He passed away from Covid in September 2021. He left behind a substantial archive of his aquatic experiences which we are republishing.

Lemon Tetras

The lemon tetra (*Hyphessobrycon pulchripinnis*) is a species of tropical freshwater fish which originates from South America, belonging to the family Characidae. It is a small tetra growing to 5 cm in length. The species is a long established favourite aquarium fish, being introduced to the aquarium in 1932.

By Joe Graffagnino — BAS



The lemon tetra (*Hyphessobrycon pulchripinnis*) is a species of tropical freshwater fish which originates from South America.

Sexual differences: the male has a more pointed dorsal fin and is more colorful than the female. The black edge of the male's anal fin is also more pronounced than the females. The female is plumper.

Breeding / Reproduction

Lemon Tetras are egg scatterers that exhibit no parental care. They are moderately easy to breed, but sometimes females have trouble expelling eggs, and it may be necessary to combine a male

with several females to induce spawning. A large adult female in prime condition may produce up to 300 eggs. When the fish spawn, the female will release the eggs among fine-leaved plants. Parents must be removed immediately after spawning, or they will eat the eggs.

They can be spawned in pairs, but the most successful way to spawn these fish is in groups of 1 male with 4 to 5 females. Feed this group small, live foods, and nature should then take



Lemon tetras (*Hyphessobrycon pulchripinnis*) at the NY Aquarium.

over and spawning will begin. It is best to set up a separate tank for breeding to get the best number of fry. Provide a breeding tank no larger than 10 ten gallons, though a smaller 3 to 5 gallon tank is adequate. Keep the tank dimly lit with clumps of spawning mops or java moss, so the female has a place to deposit the eggs. A layer of mesh also works if it is wide enough for eggs to pass through but small enough to keep parents out. The water should be soft and acidic with a pH 6.5 to 7.2 and a temperature of 75 to 78.8° F (24 to 26° C). A small, air-powered sponge filter is need for filtration and aeration.

Once a successful spawn has been achieved, remove the parents. Eggs will hatch in approximately 24 hours, and fry become free-swimming 5 days later. The fry are not initially robust, but after the first couple of days, the surviving fry prove to be very hardy and will grow rapidly. For the first few days, feed the fry infusoria-type foods until they can feed on microworm or brine shrimp nauplii. Look up

Breeding Freshwater Fish: Characins for a general description of breeding processes, and google Fish Food for Fry for information about types of foods for raising the young.

Ease of breeding is moderate — these fish tend to breed either very readily or extremely reluctantly, depending on the compatibility of breeding pairs and the tank conditions.

Lemon Tetra are prone to develop ick and fungus if their tank water is not kept very clean. Anything you add to your tank can introduce disease. Not only other fish but plants, substrate, and decorations can harbor bacteria. Take great care and make sure to properly clean or quarantine anything that you add to an established tank so as not to upset the balance.

A good thing about this tetra is they can be used as markers of poor water conditions, allowing the wary aquarist to catch issues at an early stage. When keeping more sensitive types of fish, it is common for all fishes to be infected even before the first warning signs can be noticed.

Meet My Tank!

Jean Segarra-Rosa



How long have you been in the hobby?

Since 2011 (about 12 years)

How many tanks do you have?

I've had up to 3 tanks actively running in the past. Currently I have only one actively running.

How many gallons each tank?

In the past I had a 20, a 15 and a 5.5 running. Now I have just the 20G.

Freshwater or saltwater?

Freshwater exclusively.

Which tank has been set up the longest?

The 20G has been running the longest.

Types of fish?

I currently have a small school (9) of Black Neon tetras, and a Gold Cloud Mountain

Minnow. I just lost some fish a few weeks ago. I am a huge fan of nano species.

What do you feed them?

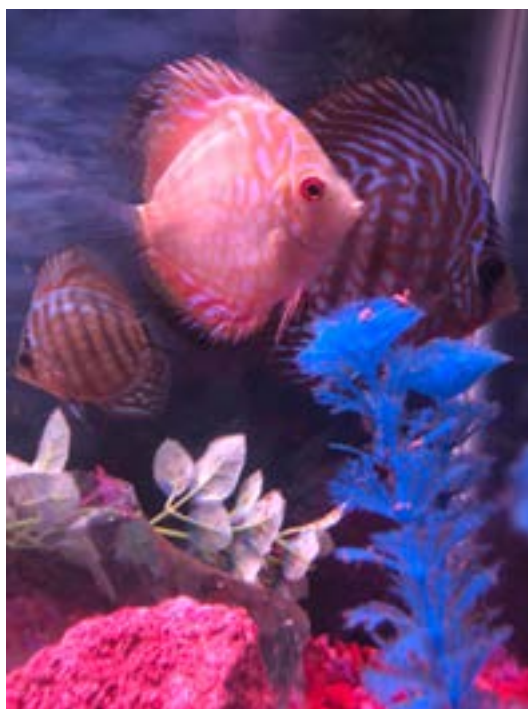
Variety of foods: Omega One Veggie flakes, Bug Bites flakes, and baby brine shrimp

Do you have live plants?

Exclusively!

What's your oldest fish?

My school of Black Neons has been with me for 2.5 years. The oldest fish I ever had was a Threadfin Rainbow who was with me for maybe 5 years. The nano species don't really last too long (sadly).



Meet My Tank!

Neil Mayerson

How long have you been in the hobby?

Since I was 3 years, that's also when my baby sister was born.

How many tanks do you have?

3

How many gallons each tank?

55-29-6

Freshwater or saltwater?

Fresh

Which tank has been set up the longest?

29 gallon

Types of fish?

Discus

What do you feed them?

Flakes-vibra bites. Frozen beefheart

Do you have live plants?

No

What's your oldest fish?

5 years old. All my discus I won at the BAS auction!

Watch this space for the next installment of **Meet My Tank!** In the Fall issue of AquaticNews, we'll meet **Liz Puello's** 8 tanks! Here's a glimpse of what to expect!



Is This the Biggest “Goldfish” Ever Caught?

BY DAC COLLINS | PUBLISHED NOV 22, 2022



Andy Hackett holds up the giant carp hybrid nicknamed "The Carrot." *via Facebook*

British angler Andy Hackett reeled in a gigantic goldfish look-alike earlier this month that could potentially go down as a new world record, according to the New York Post. Nicknamed “The Carrot”, the 67-pound, 4-ounce fish has become the stuff of legend at Bluewater Lakes, a well-known and privately owned carp fishing lake in the Champagne region of France.

“I always knew The Carrot was in there but never thought I would catch it,” Hackett told the Daily Mail earlier this week. “It was brilliant to catch it, but it was also sheer luck.”

Hackett was bait fishing when hooked the elusive fish on Nov. 3, although it’s unclear what type of bait he was using at the time. He landed the giant after a 25-minute battle, and then released the fish into the lake after it was weighed and photographed.

Jason Cowler, the fishery manager at Bluewater Lakes, told the Daily Mail that they originally stocked the bright-orange fish about 15 years ago to give customers something different to catch. (Billed as “France’s premier carp fishery”, the small, managed lake is home to several different carp species, with some fish topping 90 pounds.) The fish is now believed to be around 20 years old.

A hybrid between a leather carp and a koi carp, “The Carrot” is not technically a goldfish (*Carassius auratus*), which are a separate, smaller species of carp native to eastern Asia. However,

the term “goldfish” is often thrown around by anglers to describe bright-orange carp that look like their aquarium-dwelling cousins. As an example, the fish that is currently considered the “world’s biggest goldfish” turned out to be a uniquely colored bigmouth buffalo. That fish weighed 38 pounds, and was pulled out of Brainerd Lakes in Minnesota by Jason Fugate in 2019.

The International Gamefish Association, on the other hand, is much more specific when it comes to species records. (Neither Hackett nor Fugate actually submitted their fish to the IGFA as a potential world record.) The IGFA lists the current all-tackle world-record goldfish as a 9-pound, 6-ounce fish that was caught in Lindo Lakes, California, in 2002.

Taxonomy aside, “The Carrot” is gaining plenty of fame on social media, where hundreds of envious carp anglers have since congratulated Hackett for his catch.

“And there she blows, Carrot popping up to say hello, what an absolute beauty she is,” wrote one commenter on Facebook. “Dream fish right there, mate.”

Dac Collins is the News Editor at Outdoor Life. He covers conservation issues affecting North America’s fish and wildlife, and helps tell the latest stories about the hunters and anglers that pursue these important species. <https://www.outdoorlife.com/fishing/biggest-goldfish-ever-caught/>

Reprinted with permission from The Aquatic Gardener, the Journal of the Aquatic Gardeners Association.



JAPANESE SENSE OF BEAUTY: WABI-SABI

by Aqua Design Amano

Translated by Tomoko Schum Photos by Aqua Design Amano

Nature Aquarium, which was established by Takashi Amano in the 1980s, is widely accepted in the world now. Foreign hobbyists often mention the feeling of "Wabi-Sabi" when asked about the appeal of Nature Aquarium. Nature Aquarium is occasionally called "Zen Aquarium" outside of Japan. This naming seems to result from the association with the aesthetic of Wabi-

Sabi embodied in the Japanese tea ceremony and Japanese gardens that are deeply rooted in Zen Buddhism. Foreigners may unexpectedly be more sensitive to the sense of Wabi-Sabi than the present-day Japanese.

"Wabi" is the sense of beauty based on frugality and simplicity, which are the opposite of luxury and opulence. "Sabi" is the serene and subdued elegance that comes

with the passing of time. Based on this viewpoint, the elements of Wabi-Sabi are practically lacking in the modern Japanese lifestyle. This may be one of the reasons that Wabi-Sabi elements hidden in Nature Aquarium appeal to Japanese as well.

The aesthetic of Wabi-Sabi is quite palpable in the old Japanese gardens that remain in Kyoto and other cities in Japan. While this feeling of Wabi-Sabi may not have been intended by the original designers of the gardens, it has been imbued largely by the passage of time. So, the feeling of Wabi-Sabi in this respect is fundamentally the same as the feeling of Wabi-Sabi found in nature. The sense of Wabi-Sabi that is developed by the passage of time is incorporated into the expressions in aquascapes as well.

A WABI-SABI AQUASCAPE THAT TAKES ADVANTAGE OF THE CHARACTERISTICS OF UNZAN STONES

Since the surface of an Unzan Stone, which is a natural lava stone, is rough, epiphytic aquatic plants can grow on it easily. Several stems of Willow Moss were finely cut up and placed on the surfaces of the Unzan Stones. The pieces of Willow Moss grew and covered the stones entirely in one year. The *Hygrophila pinnatifida* plants, which were placed in the depressions

of the Unzan Stones, also grew by spreading their roots over the surface of the stones and produced a nuanced aquascape that allowed viewers to sense the passage of time. Such an atmosphere exemplifies the aesthetic of Wabi-Sabi.

THE PASSAGE OF TIME AND THE CHANGE IN THE AQUASCAPE

The atmosphere of Wabi-Sabi deepens with the passage of time. This aquascape was maintained for over one year by replacing the aquatic plants while keeping the same Unzan Stone composition. The initial bare-looking Unzan Stones are now covered with aquatic plants and mosses and appear more intriguing.

▼ *After more than a year, the Unzan Stones are covered with moss and plants.*





TANK DATA

Aquarium: Cube Garden W180 x D60 x H60 (cm)

Lighting: Solar RGB x 3 units, turned on for 10 hours per day

Filter: Super Jet Filter ES-2400 (Bio Rio L, NA Carbon)

Substrate: Aqua Soil Amazonia, Power Sand Advance L, Bacter 100, Clear Super, Tourmaline BC

CO₂: Pollen Glass Beetle Series 50, 6 bubbles per second via CO₂ Beetle Counter (using Tower)

Aeration: 14 hours after the light is turned off using Lily Pipe P-6

Additives: Brighty K; Green Brighty Mineral, Green Brighty Iron

Water Change: 1/3 once a week

Water Quality: Temperature: 25°C (77°F) pH: 6.8; TH: 20 mg/l

Aquatic Plants: *Hygrophila pinnatifida*
Glossostigma elatinoides
Riccia fluitans
Fontinalis antipyretica

Fish: *Hyphessobrycon rosaceus* var.
Crassocheilus siamensis
Otocinclus sp.
Caridina multidentata

TheShrimpFarm.com is the place to go for freshwater shrimp. The owner is **Ryan Curtis**, with a new mailing address: 2401 East Washington St, STE 200 A2, Bloomington, IL 61704. Visit the Aquarium Shrimp Forum <http://theshrimpfarm.com/forum/index.php> to ask questions, talk to other shrimp nuts and discuss everything related to Freshwater Aquarium Shrimp.

Understanding Temperature: In a Shrimp Tank

Understanding Temperature and how it affects your dwarf shrimp tank is often overlooked. What is the ideal temperature for a dwarf shrimp tank? That is a loaded question and cannot be answered with a set number.

Shrimp are poikilothermic meaning their body temperature varies with that of the temperature in their surrounding environment. With that being said your shrimp tanks temperature directly influences how your dwarf shrimp will live its life. Feeding, Breeding, and overall movement of your shrimp is impacted all based on your tanks temperature.

Colder Water

When dwarf shrimp are kept in a cooler water much like 71 F and below, they began to "slow down". At this lower temperature you will see a decreased growth rate in adult, sub-adult, and shrimplets. Depending on the species of shrimp and how low the actual tank temperature, breeding can be slowed down or stop all together.

The benefits of keeping your shrimp tank at a lower temperature are, a decreased chance of a bacterial infection. This is strictly experienced based on our end, we have simply seen a dramatic decreased in bacterial infections when the shrimp are kept in an aquarium with lower then 72 F.

Warmer Water

Keeping dwarf shrimp in warmer water 71 F and above will increase growth rates substantially. In our experience we have seen growth rates peak at about 77 F. Meaning after 77 F growth rate is not affected or "increased" by a

measurable amount. Often times keeping shrimp at a temperature above 77 F will lead you into many problems.

In warmer water dwarf shrimp will grow more quickly than they would otherwise, and this can sometime cause issues in that they cannot adapt to their molting process as quickly as they need to. This then can cause a failed molt and a dead shrimp. (a helpful article to read to understand the shrimp molting process is, Shrimp Tank Water Changes).

Molting issues can be somewhat avoided if parameters within the tank can still meet your shrimps needs, however as your tank temperature rises, failed molts become more of an issue. With warmer water also comes an increased risk of other health issues such as bacterial infections, and increased breeding production of aquarium pests such as Planaria.

Final Considerations

Keeping dwarf shrimp at a normal room temperature much like that your home is often set at (68-74 F), is generally ideal for both keeping and breeding of shrimp. Temperature should not be something that keeps you awake at night worrying about your prized shrimp, however you should be mindful of it and have basic knowledge in how it affect your shrimp.

At The Shrimp Farm we do not heat 90% of our tanks, other than with our standard furnace system in the building and A/C unit in the summer. The other 10% of the time we heat tanks to run experiments, increase breeding/matting for a short period, or just on an as needed basis for cold spots in our shrimp rooms.

BROOKLYN AQUARIUM SOCIETY PRESENTS

THE JOHN TODARO MEMORIAL WRITING PROGRAM

GOAL

To honor Editor John Todaro and encourage original writing about the aquarium hobby.

PROGRAM CRITERIA

The writing program is on a fiscal year basis (July 1 – June 30).

There is no limit on the number of articles submitted by an author. However, only three (3) articles will be evaluated by the committee for the writing awards. Judged by the committee and if a tie the Chairperson's decision is final.

Articles on breeding fish will have a dual submission in both the writing program and the Breeders Award Program. The writing program is open to members and non-members of any age.

The committee will evaluate and vote on each article based on the following criteria:

- The originality of the article (past year, plagiarism of another's work or previously published articles will be disqualified).
- Clarity of species and subject matter.
- Depth of research – research articles to include citations and footnotes to sources if any.
- Use of scientific names for fish, plants and corals.
- Spelling
- Artwork &/or photos submitted with the article will receive extra points if related to the article or deduct points if incorrect or unrelated to the article.
- If an originally submitted article is printed by another club, within the same year as the same article is submitted to BAS, the author will not be penalized.

THE ANNUAL PRIZES ARE:

(paid in BAS Bucks)

1st Prize
\$50

2nd Prize
\$25

3rd Prize
\$10



SHIRTS, HATS & PATCHES

BAS T-SHIRTS

SMALL TO XL \$10 EACH

PRICE VARIES ON XXL & LARGER SIZES

Historic
Brooklyn Aquarium Society
logo in gold on navy blue
short sleeve T-shirt.
White lettering states the
society's mission...

**Educating
Aquarists
Since 1911**



OFFICIAL CAP.
Blue with
embroidered gold
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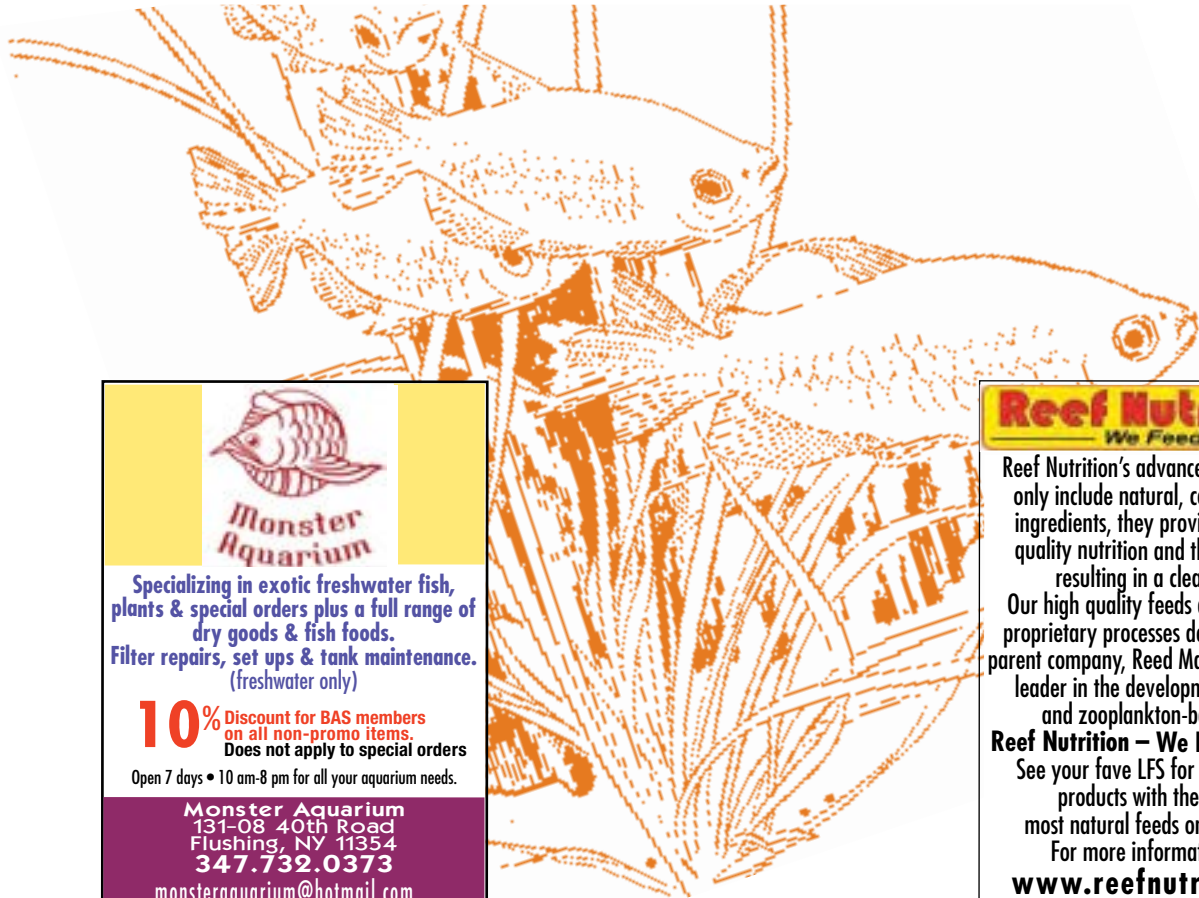
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Free Admission to all general meetings, held on the 2nd Friday of the month (except July & August) at 7:30 pm at the Education hall of the New York Aquarium, at Coney Island, Surf Avenue at West 8th Street, Brooklyn, N.Y. The Society presents expert speakers on all aspects of the hobby, from freshwater fish to marine aquatic life. Door prizes and raffles at every meeting. Breeder Awards Program (BAP) – Certificates and trophies awarded. General meetings are open to the public (\$5 donation is requested for non-members). Free parking and free refreshments.

Special Interest Groups (SIGs) hold meetings, free at members’ homes, for members only. Here’s your chance to network with members with the same interests. Discuss, ask questions, learn, teach and develop your expertise in freshwater and/or marine aquarium keeping.

AquaticNews The Journal of the Brooklyn Aquarium Society, our tri-monthly (4 issues except July & August) award winning publication is on our website. Each issue is filled with articles on both marine and freshwater aquaria keeping. Articles can be downloaded.

Meeting reminder! All members receive flyers announcing speakers via email, keeping members up to date.

Calling all writers, artists and photographers! All members will have the opportunity to submit articles, photography and illustrations for publication in the **AquaticNews!**

BAS is on-line at BASNY.ORG. You’ll find up-to-date information about our monthly events, links to other aquarium societies in the US and stores, manufacturers and related aquarium sites. We have an on-line library with downloadable articles. We have our own BAS forum, where you can interact with other freshwater, marine or reef members and post free hobby-related classifieds where members sell and trade fish, corals, plants and equipment.

BAS Hotline: For the latest information call the BAS 24 hour Hotline 718 837-4455 for event and inclement weather information. If you need advice on fish keeping, breeding or where you can find rare or hard to find fish, you can often get help calling the Hotline. Help from the Hotline is always free.

Volunteer: The Brooklyn Aquarium Society is an organization run by volunteers. Without them there would be no BAS. Volunteers help set up events, write articles, coordinate projects, assist and work on committees, help at auctions and meetings. Join in, help, learn and have fun doing it. Call Steven Matassa, President (347) 277-4793.

Video Tape Library: We have a video tape library on different aspects of fish care and breeding plus past BAS Speaker Events. These video tapes are available via our BAS Forum. You must be a member of our Forum. Membership is free.

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1 _____ 2 _____ 3 _____

4 _____ 5 _____ 6 _____

Number of tanks marine freshwater **Do you breed fish?**
 [yes] [no]

If yes, what types do you breed: _____

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